

Jack Fitz Data Summary

Cruise 6/19/2010

Review Date 6/20/2010

Summary:

At Station 9 (28 45.125 N, 88 22.863 W), the crew conducted deep ROV dive with CTD, holocam, 4 10L bottles. No visible oil was detected with the black light or grid in the water column including the two layers where oil has previously been seen (300-800ft or 2900-3400ft). Samples were taken at the bottom (4779ft) and at two oxygen minimums (3520ft and 1100ft). ENTRIX took samples for TSS, HC, and dispersant at each depth, NOAA took samples for dissolved, particulate, and VOA.

At Station 10 (28 48.78 N, 88 24.56 W), communication between the Jack Fitz and Rachel Bordelon in the morning put the Bordelon on the 5nmi ring to search for subsurface plumes acoustically. No plumes were reported so the Jack Fitz moved to the 5nmi ring at 333 degrees because SIMAP suggested if oil were to reach that distance, the NW was the best place to look.

The crew conducted deep ROV dive with CTD, holocam, 4 10L bottles at the 5 nmi 333 degree station to assist the Rachel Bordelon in locating the oil plume for accoustics calibration. However, no visible oil was detected with the black light or grid in the water column. Samples were taken at the bottom, at 3625 and 3594 ft. ENTRIX collected samples for TSS, HC, dispersant, microtox, and rototox at 3625 ft, NOAA collected samples for dissolved, particulate, and VOA at each depth.